AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously presented): An abnormal pattern detection processing method comprising:

detecting an abnormal pattern in an image, based on inputted image information;

processing the detected abnormal pattern;

displaying the detected abnormal pattern;

correcting the processed and displayed abnormal pattern, for each of a plurality of items of the inputted image information;

relating a result of the processed and displayed abnormal pattern to a result of the corrected abnormal pattern, for each of the plurality of items of the inputted image information, for each patient; and

storing the plurality of processed abnormal pattern results and the plurality of corrected abnormal pattern results for each patient, wherein

said correcting step includes canceling a pattern which is not abnormal within the processed and displayed abnormal pattern, and adding an abnormal pattern which was not detected by the abnormal pattern detection; and

said relating step includes determining a cancelled abnormal pattern as an FP, a non-cancelled abnormal pattern as a TP, and an added abnormal pattern as an FN.

2. (previously presented): An abnormal pattern detection processing method according to claim 1, wherein quantitative evaluation of the detection processing is performed, on the basis of

said stored plurality of processed abnormal pattern results and said stored plurality of corrected

abnormal pattern results.

3. - 8.

9. (previously presented): The method of claim 2, wherein the corrected abnormal

pattern results comprise a determination of whether the processed abnormal pattern corresponds

to at least one of a true positive, false positive, true negative and false negative.

10. (previously presented): The method of claim 9, wherein the quantitative evaluation

comprises a ratio of a number of true results relative to a number of true and false results.

11. (previously presented): The method of claim 10, wherein a sensitivity of the

quantitative evaluation is determined by the ratio of true positives to a sum of true positives and

false negatives.

12. (previously presented): The method of claim 10, wherein a specificity of the

quantitative evaluation is determined by the ratio of true negatives to a sum of true negatives and

false positives.

13. (previously presented): The method of claim 10, wherein a positive predictive value

of the quantitative evaluation is determined by the ratio of true positives to a sum of true

positives and false positives.

14. (previously presented): An abnormal pattern detection processing method according

to claim 1, wherein the processing automatically determines whether the abnormal pattern exists

or not, based on a result of the detection of said abnormal pattern in said image.

15. - 17. (canceled).